DATA SHEET

3Com® Baseline Switches

Key Benefits

Wide-Ranging Unmanaged Family
Small to mid-sized businesses looking for a switched LAN with or without high-speed uplinks, or a low cost, high-performance Gigabit network, will find an affordable solution with the family of 3Com® Baseline switches, designed for plug-and-play network operation.

10/100 Switching with Legacy Support
3Com Baseline Switch 2016 and 2024 are ideal for businesses with legacy Ethernet desktops that want to start a network. Fast Ethernet (100 Mbps) support easily handles higher speed desktop and office server connections.

10/100 Switching, Gigabit Uplinks
For businesses ready to step up their network performance, the 3Com Baseline Switch 2226 and 2250 offer 10/100 switching with two high-speed dual purpose ports that can be used either as 10/100/1000 for fixed copper connections, or fiber connections utilizing two Gigabit SFP (Small Form-Factor Plug-in or mini-GBIC) transceiver slots that accommodate any standard 1000BASE-LX or -SX transceiver module.

High-Performance 10/100/1000 Switching
For top performance, the 3Com Baseline 10/100/1000 Switch 8-port and Baseline Switch 2816 and 2824 deliver wirespeed Gigabit throughput and a switching capacity of up to 48 Gbps to handle the most bandwidth-hungry applications.

Plug-and-Play Unmanaged Operation
3Com Baseline switches operate straight out of the box, with no configuration required. Auto MDI/MDIX ports identify and adapt to the Ethernet cable type, eliminating the most common cabling errors and simplifying installation. Autosensing ports detect and adjust to the speed of the connected device to optimize network performance.

Advanced Switching Features
IEEE 802.1p Class-of-Service (CoS) traffic prioritization makes sure that real-time applications such as video and audio take priority so they run effectively, and enable the switches to operate in larger networks.

Rack-Mounted or Free-Standing Configuration
Small-business configurations can vary, so the switches are designed to operate as a free-standing or rack-mounted switch with included mounting kit. The standard 19-inch, one rack-unit-high (1 RU) enclosure optimizes valuable office space.

Top Reliability with Limited Lifetime Warranty
Sturdy design and construction pays off in high reliability and long service life. Limited Lifetime hardware warranty and Advance Hardware Replacement* provide peace of mind long after deployment.

*For U.S. and EU countries.

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3Com Baseline Switches at a Glance

	3Com Baseline Switch 2016	3Com Baseline Switch 2024	3Com Baseline Switch 2226	3Com Baseline Switch 2250	3Com Baseline 10/100/1000 Switch 8-port	3Com Baseline Switch 2816	3Com Baseline Switch 2824
Order Number	**3C16470**	**3C16471**	**3C16475A**	**3C16476A**	**3C16477**	**3C16478**	**3C16479**
Ports - Autosensing	16 10/100 Ethernet	24 10/100 Ethernet	24 10/100, 2 dual-purpose 10/100/1000 or SFP	48 10/100, 2 dual-purpose 10/100/1000 or SFP	8 10/100/1000 Ethernet	16 10/100/1000 Ethernet	24 10/100/1000 Ethernet
LED Indicators	Power, Network traffic/Duplex mode, Link status/Speed	Power, Network traffic/Duplex mode, Link status/Speed	Power, Network traffic/Duplex mode, Link status/Speed, Module active	Power, Network traffic/Duplex mode, Link status/Speed, Module active	Power, Network traffic/Duplex mode, Link status/Speed	Power, Network traffic/Duplex mode, Link status/Speed	Power, Network traffic/Duplex mode, Link status/Speed
802.1p Traffic Prioritization (Priority Queuing)	2 queues on every port	2 queues on every port	2 queues on every port	2 queues on every port	2 queues on every port	2 queues on every port	2 queues on every port
MAC Addresses	4,000	4,000	4,000	8,000	8,000	32,000	32,000
MDI/MDIX - Automatic configuration on all ports	✓	✓	✓	✓	✓	✓	✓
Forwarding Method	Store & Forward	Store & Forward	Store & Forward	Store & Forward	Store & Forward	Store & Forward	Store & Forward

Features and Benefits

Feature	Benefit
Powerful, Advanced Switching	
Gigabit performance (3C16475A, 3C16476A, 3C16477, 3C16478, 3C16479)	Connect to servers and desktops running at 10, 100, or 1000 Mbps. 48 Gbps switching capacity supports highest speed servers and desktops without additional network investment.
Optional SFP transceiver module support (3C16478, 3C16479)	Baseline Switch 2226 and Switch 2250 include two Gigabit SFP transceiver slots that support multimode shortwave fiber (1000BASE-SX) or multimode longwave fiber (1000BASE-LX) connections. Mix and match SFP transceivers for media support flexibility.
Non-blocking performance	Baseline switches operate at full wirespeed on all ports, delivering unimpeded access to networked resources.
IEEE 802.1p traffic prioritization (priority queuing) and CoS support	Allow networks to run real-time multimedia applications more effectively by reserving bandwidth for time-sensitive video, audio, and voice traffic.
Cost-effective 10/100/1000 connections	Range of port densities provides expansion for growing small businesses at a very affordable price per port.
Simple Installation and Use	
Auto MDI/MDIX ports	Simplify installation by eliminating common cabling errors, automatically detecting the type of Ethernet cable used—straight-through or crossover.
Pre-configured setup	Makes sure that switches work "right out of the box" with no configuration or management software needed.
Easy-to-read front panel LEDs	Give at-a-glance status and network information to simplify diagnostics and troubleshooting.
Consistent form factor	Clean design, standard 1RU enclosure optimizes rack space.
Reliable	
Sturdy, dependable design	3Com delivers premium-quality, reliable networking products that stay up and running year after year.
Complete, market-leading support package	Limited Lifetime hardware warranty, including fan and power supply, provides peace of mind. 90-day free telephone support and unlimited web support is there when you need it. Advance Hardware Replacement means that on a rare occasion of a faulty unit, 3Com will send you a replacement unit before you send the faulty unit back for repair.

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Specifications

Total Ports

3C16470: 16 autosensing 10/100
3C16471: 24 autosensing 10/100
3C16475A: 24 autosensing 10/100, 2 dual purpose 10/100/1000 or SFP (26 ports total maximum)
3C16476A: 48 autosensing 10/100, 2 dual purpose 10/100/1000 or SFP (50 ports total maximum)
3C16477: 8 autosensing 10/100/1000
3C16478: 16 autosensing 10/100/1000
3C16479: 24 autosensing 10/100/1000

Standards Conformance

ISO 8802-3
IEEE 802.3 (Ethernet)
IEEE 802.3u (Fast Ethernet)
IEEE 802.1d (bridging)
IEEE 802.3x (flow control)
IEEE 802.3ab (Gigabit Ethernet)
IEEE 802.1p (traffic prioritization)

Media Interfaces

10/100/1000BASE-TX/RJ-45

MAC Addresses

3C16470, 3C16471, and 3C16475A: 4000

3C16476A and 3C16477: 8000

3C16478 and 3C16479: 32,000

Ethernet Switching Features

Wirespeed, non-blocking Layer 2 switching; Store-and-forward forwarding; Full-/half-duplex auto-negotiation; 802.1p traffic prioritization (priority queuing)

Electrical Power

Power inlet: IEC 320

AC line frequency: 47/63 Hz

Input voltage: 100-240 VAC

Current rating: 1A (max)

Maximum power consumption:
3C16470 – 15W,
3C16471 and 3C16475A – 20W,
3C16476A – 56W,
3C16477 – 28W,
3C16478 – 36.5W,
3C16479 – 45.7W

Maximum power dissipation:
3C16470 – 52 BTU/hr,
3C16471 – 68 BTU/hr,
3C16475A – 68.3 BTU/hr,
3C16476A – 184.3 BTU/hr,
3C16477 – 95.6 BTU/hr,
3C16478 – 124.6 BTU/hr,
3C16479 – 56 BTU/hr

LED Indicators

Module active (3C16475A and 3C16476A only), Power, Network traffic/Duplex mode, Link status/Speed

Operating Temperature:

0° to 50°C (32° to 122°F)

Humidity: 10 to 90% (non-condensing)

Safety

UL 1950, EN 60950, CSA 22.2 #950 IEC 60950

Emissions

EN 55022 Class A, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A,

AS/NZS 3548 Class A, CNS 13438 Class A

Environmental

EN 60068 (IEC 68)

Immunity

EN 55024

Physical Dimensions

Height: 44 cm (17.3 in)

Depth: 3C16470, 3C16471, 3C16475A, 3C16477, 3C16478 and 3C16479 – 17.3 cm (6.8 in); 3C16476A – 23.5 cm (9.3 in)

Width: 4.4 cm (1.7 in)

Weight: 3C16470, 3C16471, 3C16475A, 3C16476A and 3C16477 – 2.6 kg (6 lb);

3C16478 – 1.87 kg (4.12 lb); 3C16479 – 1.96 kg (4.32 lb)

Package Contents

Baseline Switch

Rubber feet

Rack-mount kit

User's guide

Hardware Warranty and Non-Warranty Services

Limited Lifetime Warranty, for as long as the original customer owns the product, or five years after product discontinuance, whichever occurs first. After registering the product online, other free support services such as 90 days free telephone support and next business day advanced hardware replacement may also be available, depending on the region. Please refer to warranty information card product insert for details.

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Ordering Information

All Baseline switches include:

- Plug and play simplicity
- No configuration required
- Compact 1RU-high enclosure
- Easy installation and upgrade rack mounting kit
- Free-standing or 19-inch rack-mounted operation

3Com Baseline Switch 2016	3C16470
3Com Baseline Switch 2024	3C16471
3Com Baseline Switch 2226	3C16475A
3Com Baseline Switch 2250	3C16476A
3Com Baseline 10/100/1000 Switch 8-port	3C16477
3Com Baseline Switch 2816	3C16478
3Com Baseline Switch 2824	3C16479
Optional Modules for 3Com Baseline Switch 2226 and Switch 2250	
3Com 1000BASE-SX SFP	3CSFP191
3Com 1000BASE-LX SFP	3CSFP192

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